

Similarity, uncertainty, and dismissiveness

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IEC-Reduplication

- Vietnamese has a productive reduplication strategy where the reduplicant appears to the right of the base and is segmentally identical to the base except that its last rhyme is 'iếc' [iək]

sách 'book' sɛk	→	sách xiếc sɛk.sɪək
cam 'orange' kam	→	cam kiếc kam.kiək
sinh viên 'student' sɪŋ.viən	→	sinh viên sinh viếc sɪŋ.viən.sɪŋ.viək
ca-mê-ra 'camera' ka.me.ra	→	ca-mê-ra ca-mê-riếc ka.me.ra ka.me.riək

Semantic effect

- This type of reduplication suggests uncertainty on the part of the speaker

(1) A: Nam đang ăn gì đây?
Nam is eating what

(2) B: Nó đang ăn cam.
He is eating orange

C: Không đúng. Nó đang ăn quýt.
That's not true. He is eating tangerine.

(3) B: Nó đang ăn cam+kiếc gì đó
He is eating orange+RED DEM_{wh}

C: #Không đúng. Nó đang ăn quýt.
That's not true. He is eating tangerine.

→ I will not discuss DEM_{wh}

The morpheme

- We assume there is a reduplication morpheme RED

(4) Phonetic consequence

- a. cam+RED \rightarrow cam kiểc
- b. sinh viên+RED \rightarrow sinh viên sinh viểc

(5) Semantic consequence

Nam is eating orange+RED

\rightsquigarrow the speaker is not certain that Nam is eating an orange

$\rightsquigarrow \neg K_S$ Nam is eating an orange

How is RED phonologically realized?

Morphophonemic rule

- Let $[_w _X]$ be a word whose last rhyme is X

$$[_w _X] + \text{RED} \rightarrow \underbrace{[_w _X]}_{\text{base}} + \underbrace{[_w _iək]}_{\text{reduplicant}}$$

- (6) a. $[k\text{am}] + \text{RED} \rightarrow [k\text{am}] + [k\text{i}ək]$
b. $[sɪŋ.viən] + \text{RED} \rightarrow [sɪŋ.viən] + [sɪŋ.viək]$

cf. Vu (1998), Pham and Pham (2020)

How does the “uncertainty inference” of RED come about?

Proposal (1)

- RED weakens the meaning of the base word

- (7) a. $\llbracket \text{orange} \rrbracket = \{x \mid x \text{ is an orange}\}$
b. $\llbracket \text{orange} + \text{RED} \rrbracket = \{x \mid x \text{ is similar to an orange}\}$
- (8) $\underbrace{\text{John is eating an orange}}_p \Rightarrow \underbrace{\text{John is eating an orange} + \text{RED}}_{p \vee q \vee r \dots}$

cf. Armoskaite and Kutlu (2014), Smith (2020)

$$\phi_{\text{weaker}} \not\rightarrow \neg K_S \psi_{\text{stronger}}$$

- Utterance of ϕ does not generally imply uncertainty about stronger ψ

(9) John lives in Paris \Rightarrow John lives in France

A: Where does John live?

B: He lives in France.

$\not\rightarrow \neg K_S$ John lives in Paris

(10) x is a male student $\Rightarrow x$ is a student

A: Who did John talk to?

B: He talked to a student.

$\not\rightarrow \neg K_S$ John talked to a male student

$$\phi_{\text{weaker}} \rightsquigarrow \neg K_S \psi_{\text{stronger+relevant}}$$

- Utterance of ϕ implies uncertainty about ψ if ψ is stronger than ϕ and ψ is relevant

(11) A: Does John live in Paris?

B: He lives in France_{He lives in Paris}

$\rightsquigarrow \neg K_S$ John lives in Paris

(12) A: Did John talk to a male student?

B: He talked to a student_{He talked to a male student}

$\rightsquigarrow \neg K_S$ John talked to a male student

cf. Grice (1967)

Proposal (2)

- $N + \text{RED}$ makes N relevant

(13) A: What is John eating?

B: He is eating an orange-RED_{He is eating an orange}
 $\rightsquigarrow \neg K_S$ John is eating an orange

cf. the literature on NPIs (Linebarger 1980, Kadmon and Landman 1993, Krifka 1995, Crnič 2019)

But...

- Utterance of ϕ can license the inference $K_S \neg \psi$ when ψ is a stronger relevant alternative

(14) A: Does John live in Paris?

B: He lives in France

Possible inference: John lives in France but not in Paris

- This is not possible with RED

(15) A: Is Nam eating an orange?

B: He is eating an orange-RED

Not a possible inference: Nam is eating something similar to an orange but not an orange

Ignorance

- The inference that RED licenses is not uncertainty but something stronger: ignorance
- (16) Nam is eating an orange
Inference: $\neg K_S$ Nam is eating an orange $\wedge \neg K_S \neg$ Nam is eating an orange

Disjunction and ignorance

- Disjunctions license ignorance inferences

(17) A: Does John live in Paris?

B: He lives in France.

Possible inference: $K_S \neg$ John lives in Paris

(18) A: Does John live in Paris?

B: He lives in Paris or Nice or Toulouse or Lyon or Marseille ...

Not a possible inference: $K_S \neg$ John lives in Paris

- The difference between a vague term and a disjunction of specific terms is that the disjunction necessarily makes all alternatives relevant

cf. Sauerland (2004), Chemla (2008)

Proposal (3)

- $N + \text{RED}$ makes N relevant and at least one other alternative relevant

(19) A: What is John eating?

B: He is eating an orange-RED

$\not\approx$ 'he is eating something similar to an orange'

\approx 'he is eating an orange or a tangerine or a grapefruit ...'

Observation

- When there is no ingorance inference, RED suggests dismissiveness on the part of the speaker

(20) A: Nam làm gì?
Nam do what

B: Giáo sư+giáo xiếc gì đó
professor+RED DEM_{wh}
↪ the speaker does not think highly of professors

How does dismissiveness come about and why is it in complementary distribution with ignorance?

(21) Gricean Fact

Utterance of ϕ implies the speaker's ignorance of ψ and χ if ψ and χ are stronger and relevant and symmetric

(22) Consequence

Utterance of ϕ implies irrelevance ψ and χ if ψ and χ are stronger and the speaker are not ignorant about ψ and χ

Fox (2007), Buccola and Haida (2020)

Relevance + non-ignorance = dismissiveness

(23) A: What does Nam do?

B: He is a professor-RED

≈ He is a professor or a lecturer or a researcher ...

≈ these jobs are not important enough to be of relevance to me

Incompatibility with classifiers

- N-RED cannot combine with the classifier for N

- (24) a. Nam đang mua sách- xiếc gì đó
Nam is buying book- RED DEM_{wh}
- b. #Nam đang mua hai quyển sách- xiếc gì đó
Nam is buying two CL book- RED DEM_{wh}
- c. Nam đang mua hai quyển sách gì đó
Nam is buying two CL book DEM_{wh}

Semantics of CL

- Nouns in classifier languages are “number neutral”
- CL maps P to the set of P atoms

- (25) a. $\llbracket \text{sách} \rrbracket = \{x \mid x \text{ is a singular book or a plurality of books}\}$
 $= \{a, b, c, \dots a+b, a+c, b+c, a+b+c, \dots\}$
- b. $\llbracket \text{quyển sách} \rrbracket = \{x \mid x \text{ is a singular book}\}$
 $= \{a, b, c, \dots\}$

Selectional requirement of CL

- CL imposes requirements on the semantics of the noun it combines with

$$(26) \llbracket \text{quyển}^2 \rrbracket = [\lambda P : P = \text{book} [\lambda x. x \text{ is a singular } P]]$$

- Weakening P causes presupposition failure

$$(27) \# \text{quyển sách} + \text{xiếc} \\ \text{CL} \quad \text{book} + \text{RED} \\ \text{because: } \text{book} + \text{RED} \neq \text{book}$$

More on CL

- But we know that **quyển** can combine with things similar to books

$$(28) \text{ quyển} + \begin{cases} \text{sách 'book'} \\ \text{sổ 'notebook'} \\ \text{lịch 'calendar'} \\ \dots \end{cases}$$

- This means we should revise our semantics for CL

$$(29) \llbracket \text{quyển} \rrbracket \neq [\lambda P : P = \text{book} [\lambda x. x \text{ is a singular } P]] \\ = [\lambda P : P = \text{sim}(\text{book}) [\lambda x. x \text{ is a singular } P]]$$

Contextual dimension of RED

- Again: why is RED incompatible with CL?

$$(30) \underbrace{[\lambda P : P = \textcolor{red}{sim}(\textit{book}) [\lambda x. \dots]]}_{\text{quyển}^2} + \left\{ \begin{array}{l} \checkmark \text{ sách 'book'} \\ \checkmark \text{ lịch 'calendar'} \\ \dots \\ \textcolor{red}{X} \text{ sách-xiếc 'book-RED'} \end{array} \right.$$

- CL requires grammatical while RED guarantees pragmatic similarity

$$(31) \begin{array}{ll} \text{a.} & \llbracket \text{quyển}^2 \rrbracket = [\lambda P : P = \textcolor{red}{sim}_g(\textit{book}) [\lambda x. x \text{ is a singular } P]] \\ & \textcolor{red}{sim}_g(\textit{book}) = \text{books and things considered similar to books} \\ & \textcolor{red}{by the grammar} \\ \text{b.} & \llbracket \text{book-RED} \rrbracket = \textcolor{red}{sim}_c(\textit{book}) \\ & \textcolor{red}{sim}_c(\textit{book}) = \text{books and things considered similar to books} \\ & \textcolor{red}{in the context} \end{array}$$

cf. Denic (2023)

$$sim_g \neq sim_c$$

- Two different nouns describing the same object may differ with respect to their ability to combine with QUYỀN

(32) a. Nam đang đọc một tờ/quyền² tạp chí chuyên môn
 Nam is reading a CL journal professional

b. #Nam đang đọc một tờ/#quyền² báo chuyên môn
 Nam is reading a CL journal professional

(33) A: Nam đang đọc sách-xiếc gì đó
 Nam is reading book-RED DEM_{wh}

B #Không đúng. Nó đang đọc báo/tạp chí.
 That's not true. He is reading a journal

(34) a. *tạp chí* $\subseteq sim_g(book)$, *báo* $\not\subseteq sim_g(book)$

b. *báo, tạp chí* $\subseteq sim_c(book)$

Conclusion

- I have proposed an account for the intricate interpretation of IEC-reduplication using familiar ingredients of semantic analysis
 - RED introduces alternatives that are, by default, relevant
 - interpretation of an expression depends on what it means and what could have been said but was not said
 - grammar has access to the notion of “similarity”

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